

# NSLS OHSAS Facility Risk Assessment

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<b>Name(s) of Risk Team Members: NSLS OHSAS Committee</b>	<b>Point Value → Parameter ↓</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
<b>Area/Facility Description Title: General Noise Issues</b>	<b>Occupancy or Use</b>	≤once/year	≤once/month	≤once/week	≤once/shift	>once/shift
<b>Area/Facility # (if applicable): LS-FRA-0007</b>						
<b>Area/Facility Description: General Noise Issues throughout the NSLS complex</b>	<b>Severity</b>	<b>First Aid Only</b>	<b>Medical Treatment</b>	<b>Lost Time</b>	<b>Partial Disability</b>	<b>Death or Permanent Disability</b>
	<b>Likelihood</b>	<b>Extremely Unlikely</b>	<b>Unlikely</b>	<b>Possible</b>	<b>Probable</b>	<b>Multiple</b>
<b>Approved by: W. R. Casey</b> <b>Date: 06/23/06</b> <b>Rev.#: 2</b> <a href="#">Revision Log</a>						
<b>Reason for Revision (if applicable):</b>				<b>Comments:</b>		

Physical Item or Activity	Hazard(s)	Before Controls				Initial Controls	After Initial Controls				Control(s) Added to Reduce Risk	After Additional Controls				% Risk Reduction
		Occupancy A	Severity B	Likelihood C	Risk* AxBxC		Occupancy A	Severity B	Likelihood C	Risk* AxBxC		Occupancy A	Severity B	Likelihood C	Risk* AxBxC	
Noise generating machinery & equipment	Hearing loss from chronic and/or acute noise exposure	3	4	4	48	Training, PPE (hearing protection), noise surveys, procedures, postings, medical surveillance, engineered noise reduction, work planning, facility planning, locked areas with limited access to authorized personnel only, exposure monitoring, SBMS subject area	3	4	2	24						
Noise generating machinery & equipment	Poor communication between workers as a result of high ambient noise levels	3	3	2	18	Work planning, training, engineered noise reduction, postings, tool box meetings, SBMS subject area	3	3	1	9						

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		Before Controls					After Initial Controls					After Additional Controls				
Physical Item or Activity	Hazard(s)	Occupancy A	Severity B	Likelihood C	Risk* AxBxC	Initial Controls	Occupancy A	Severity B	Likelihood C	Risk* AxBxC	Control(s) Added to Reduce Risk	Occupancy A	Severity B	Likelihood C	Risk* AxBxC	% Risk Reduction
Liquid nitrogen delivery truck noise	Noise levels up to 102.4 dBA at rear of truck. Areas >85 dBA in driveway and upper walkway	5	4	4	80	No lingering, i.e. walk through area without delay (~30 sec), therefore no PPE required (SHSD permitted). Posting: No use of small dewar fill station; No exchange of compressed gas cylinders.	5	1	2	10						
Large dewar fill station outdoor exhaust vent line	Noise levels up to 92.7 dBA two feet from exhaust vent line. Areas >85 dBA on adjacent stairs and doorway	5	4	3	60	No lingering, i.e. walk through area without delay (<30 sec), therefore no PPE required (SHSD permitted). Posting. OK to use small dewar fill station. OK to exchange compressed gas cylinders.	5	1	2	10						
Further Description of Controls Added to Reduce Risk:																
*Risk:	0 to 20 Negligible	21 to 40 Acceptable				41 to 60 Moderate				61 to 80 Substantial				81 or greater Intolerable		